

CLAIMS

What Is Claimed Is:

1. A light system for illuminating at least one vehicle wheel, said light system
5 comprising:

a light diffusion disk comprising at least one translucent area and at least one reflective surface, said light diffusion disk being mountable proximal the wheel;

a light source for facilitating the receipt of light by said light system; and

- means, in optical communication with said light source and said light
10 diffusion disk, for routing the light produced by said light source and directing it toward said light diffusion disk..

2. A light source as recited in claim 1, wherein said diffusion disk further
comprises:

- 15 a hub comprising a plurality of apertures in numbers and locations for receiving lug nuts that secure the wheel to the vehicle.

3. A light system as recited in claim 2, wherein said diffusion disk further
comprises:

- 20 a rim; and

a plurality of spokes extending from said hub to said rim and defining a plurality of said translucent areas, said reflective surfaces being imbedded in said translucent areas.

4. A light system as recited in claim 1, further comprising:
a filter disposed over at least one end of said light routing means to block out
foreign objects that could contaminate or cloud said light routing means.

5 5. A light system as recited in claim 4, wherein said filter comprises:
at least one colored filter to produce colored light.

6. A light system as recited in claim 4, wherein said filter comprises:
a plurality of colored filters to produce a plurality of different colored light.

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7. A light system as recited in claim 1, wherein said light routing means
comprises:
at least one hollow light-transmitting medium having a first end and a second
end.

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8. A light system as recited in claim 7, further comprising:
means, disposed over at least one said end of said hollow light transmitting
medium, for blocking out foreign objects that could contaminate or cloud said light routing
means.

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9. A light system as recited in claim 8, wherein said blocking means comprises:
at least one filter, said at least one filter comprising at least one colored filter
to color the light from said light source.

10. A light system as recited in claim 8, wherein said filter comprises:
a plurality of colored filters to color the light from said light source in a plurality of different colors.

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11. A light system as recited in claim 1, wherein said hollow light transmitting medium comprises:
at least one pipe.

10 12. A light system as recited in claim 1, wherein said hollow light transmitting medium comprises:
at least one fiber optic line.

13. A light system as recited in claim 1, wherein said hollow light transmitting
15 medium comprises:
a plurality of pipes.

14. A light system as recited in claim 1, wherein said light source produces light
in at least one color.

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15. A light system as recited in claim 1, further comprising:
means for securing said light system to a vehicle and for isolating shock and vibration to prevent damage to said light source, said securing means comprising means for

mounting said diffusion disk between a vehicle's brake and wheel.

16. A light system as recited in claim 1, wherein said translucent area comprises:
at least one color for coloring the light from said light source.

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17. A light system as recited in claim 1, wherein said reflective material
comprises:
at one groove that acts as an optical grating to cause the diffraction of
incident light.

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18. A light system as recited in claim 1, wherein said spokes comprise fins and
said hub comprises metal to dissipate heat.

19. A light system as recited in claim 1, further comprising:
means for controlling the intensity of the light.

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20. A light system as recited in claim 19, wherein said light intensity controlling
means comprises:
a microprocessor in electrical communication with said light source and, or
said filter.

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